

NOVEMBER/DECEMBER 2025

**FBC61/CBC61 — CLINICAL
BIOCHEMISTRY**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. How the OGTT curve appears in diabetic condition?
2. Define fructosuria.
3. What is cysteinuria?
4. Mention the types of lipoproteins.
5. What is conjugated bilirubin?
6. Define icteric index.
7. What is inulin clearance test?
8. Define nephrotic syndrome.
9. Write the enzyme patterns in myocardial infarction.
10. How the tubeless gastric analysis is performed?



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write a note on the role of insulin in the regulation of blood glucose.

Or

- (b) Explain fructosuria with its clinical implications.

12. (a) Interpret alkaptonuria with its causes and symptoms.

Or

- (b) Infer the Fatty liver with its stages.

13. (a) How the Van den Bergh test is performed? Give its importance.

Or

- (b) Summarize the causes of acute hepatitis.

14. (a) Give an account on PAH test.

Or

- (b) Explain the causes and implications of glomerulonephritis.

15. (a) What is FTM stimulation test? Why is it performed?

Or

- (b) Illustrate the enzyme patterns in acute pancreatitis.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss the causes, symptoms and types of Diabetes mellitus.

17. Describe the clinical manifestation of phenylketonuria and albinism.

18. Explain the causes and types of jaundice.

19. Elaborate the importance of Urea and creatinine clearance test.

20. Discuss the collection of gastric contents.

